

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024546.D
 Acq On : 14 Jun 2018 17:39
 Operator : MD/SY
 Sample : J3443-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 01:42:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	171695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	292373	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	286726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	169015	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	131001	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	
35) Dibromofluoromethane	4.89	113	117326	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
50) Toluene-d8	7.57	98	432964	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
62) 4-Bromofluorobenzene	10.31	95	170245	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	

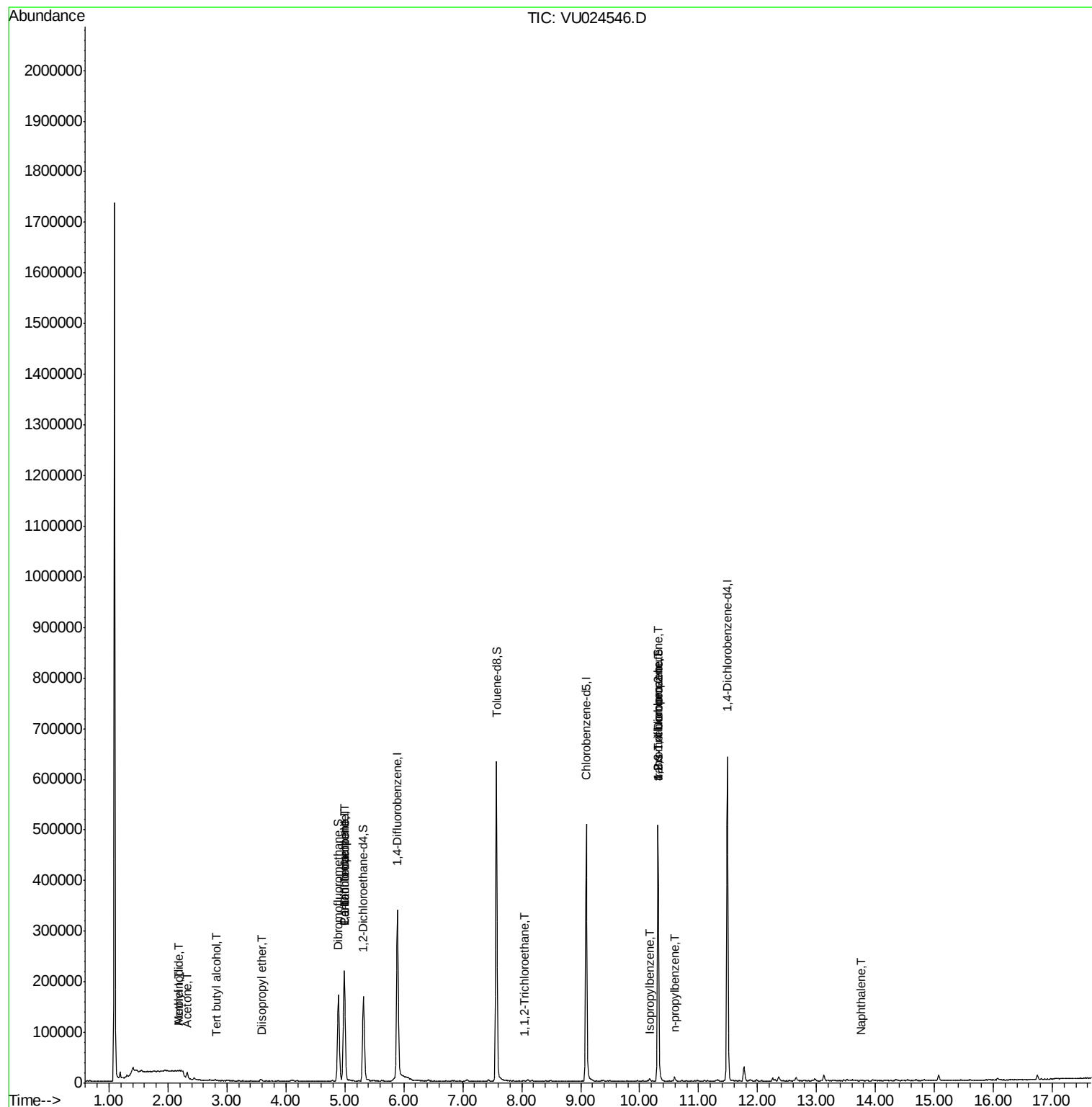
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	132	Below Cal	#	66
8) Diethyl Ether	2.09	74	95	Below Cal		69
10) Methyl Iodide	2.19	142	21	5.299	ug/l #	1
11) Tert butyl alcohol	2.83	59	1274	1.869	ug/l #	80
13) Acrolein	2.18	56	98	0.274	ug/l #	1
16) Acetone	2.32	43	11601	7.703	ug/l	98
22) Diisopropyl ether	3.58	45	2675	0.372	ug/l #	83
31) Cyclohexane	4.99	56	4861	Below Cal	#	26
36) 1,1-Dichloropropene	4.99	75	11777	3.428	ug/l #	52
38) Carbon Tetrachloride	4.99	117	15633	4.138	ug/l #	16
55) 1,1,2-Trichloroethane	8.05	97	769	0.300	ug/l #	20
73) Isopropylbenzene	10.17	105	3550	0.274	ug/l	99
76) 1,2,3-Trichloropropane	10.31	75	84528	22.716	ug/l #	36
78) n-propylbenzene	10.59	91	6941	0.454	ug/l	93
81) trans-1,4-Dichloro-2-buten	10.31	75	84528	52.574	ug/l #	100
95) Naphthalene	13.76	128	1262	0.779	ug/l #	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VU024546.D

Acq: 14 Jun 2018 17:39

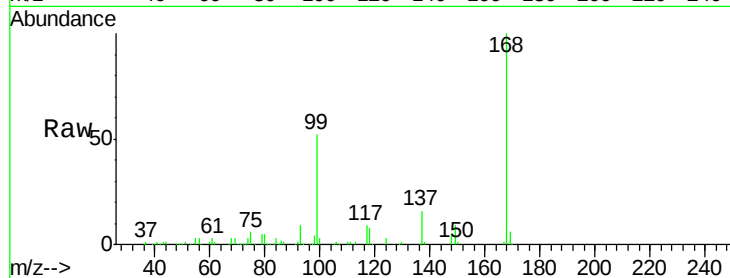
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 171695

Ion Ratio Lower Upper

168 100

99 52.4 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

80000

60000

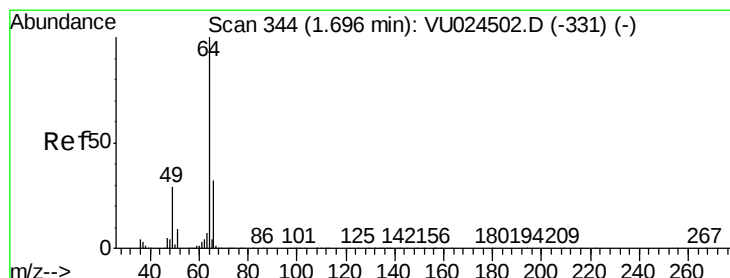
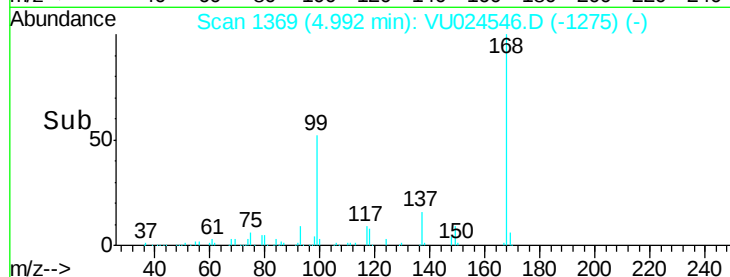
40000

20000

0

4.90 5.00 5.10

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 347

Delta R.T. 0.01 min

Lab File: VU024546.D

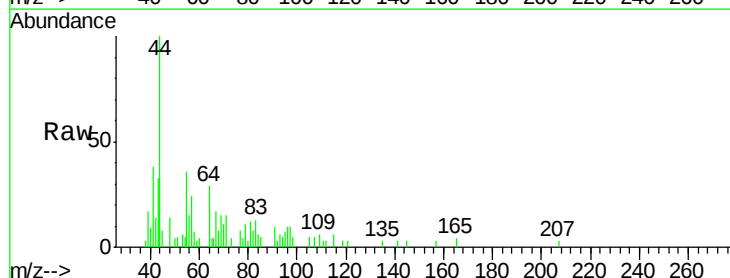
Acq: 14 Jun 2018 17:39

Tgt Ion: 64 Resp: 132

Ion Ratio Lower Upper

64 100

66 13.2 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU024502.D (-331) (-)

Ion 65.90 (65.60 to 66.60): VU024502.D (-331) (-)

1.71

1200

1000

800

600

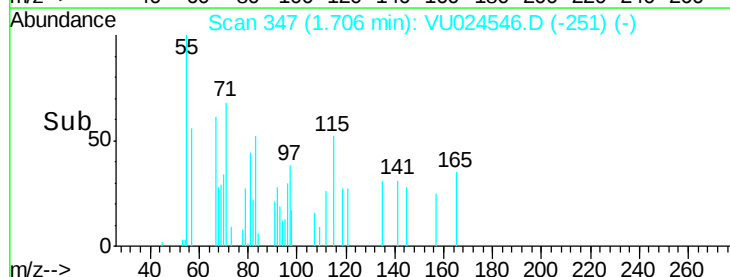
400

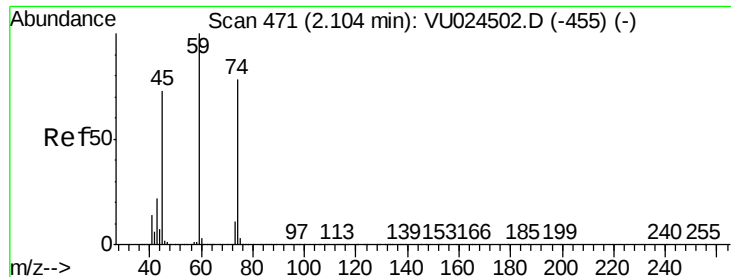
200

0

1.69 1.70 1.71 1.72

Time-->





#8

Diethyl Ether

Concen: Below Cal

RT: 2.09 min Scan# 467

Delta R.T. -0.01 min

Lab File: VU024546.D

Acq: 14 Jun 2018 17:39

Instrument :

MSVOA_U

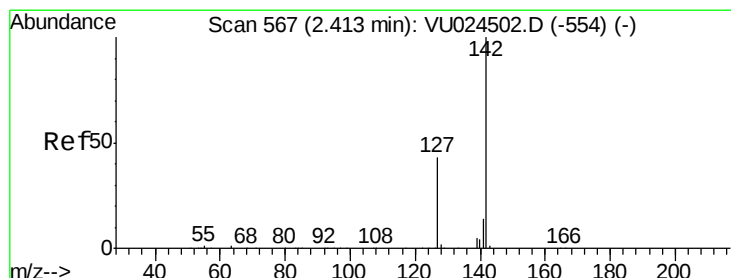
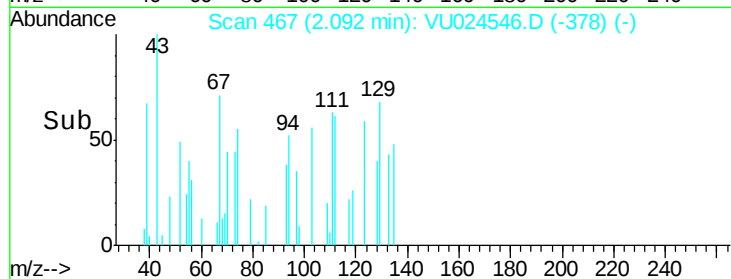
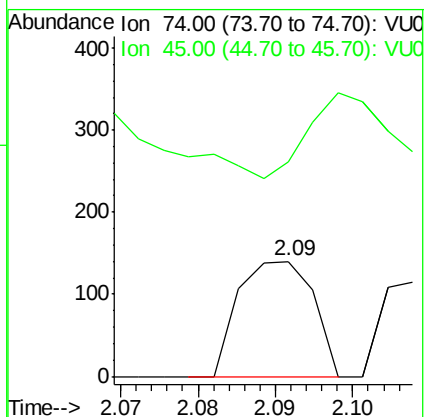
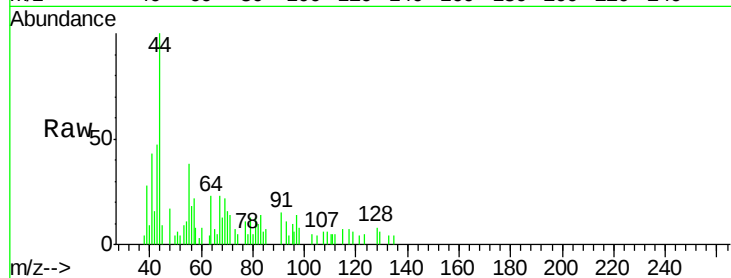
ClientSampled :

Tot Ion: 74 Resp: 95

Ion Ratio Lower Upper

74 100

45 76.8 55.0 165.0



#10

Methyl Iodide

Concen: 5.299 ug/l

RT: 2.19 min Scan# 497

Delta R.T. -0.22 min

Lab File: VU024546.D

Acq: 14 Jun 2018 17:39

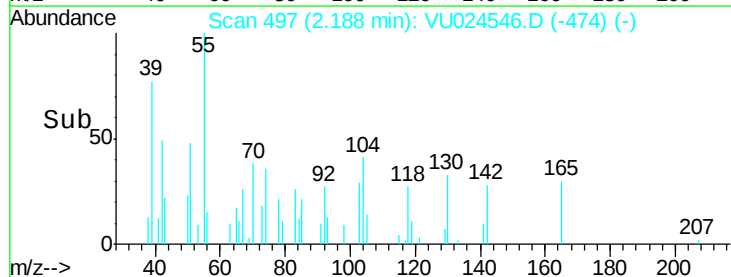
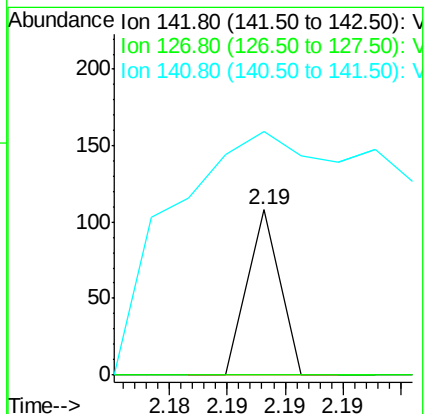
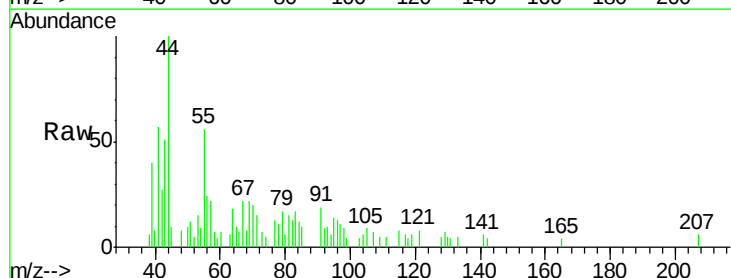
Tgt Ion: 142 Resp: 21

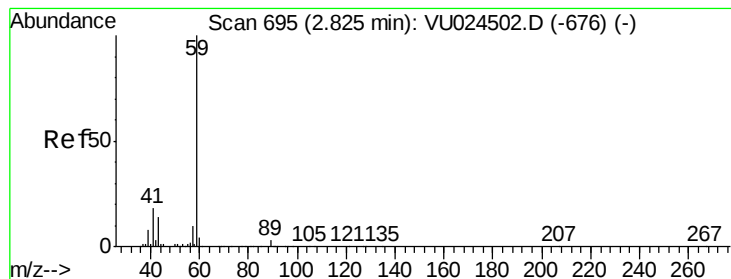
Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

141 990.5 11.7 17.5#



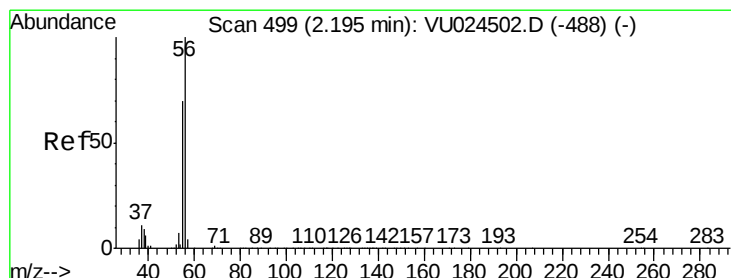
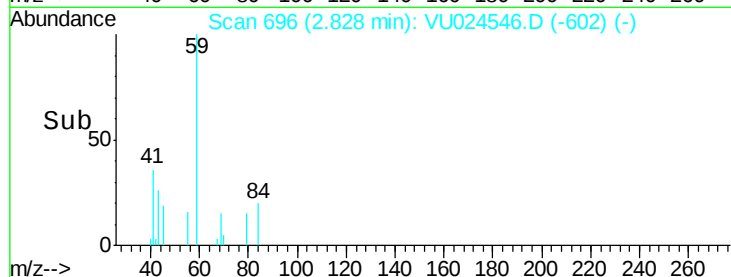
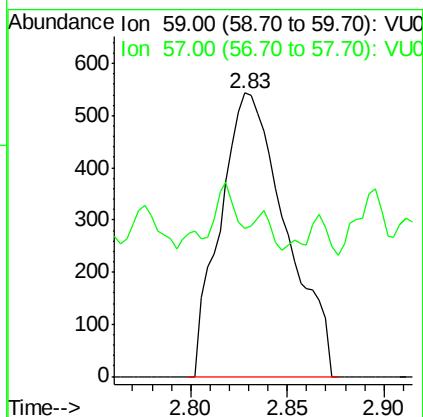
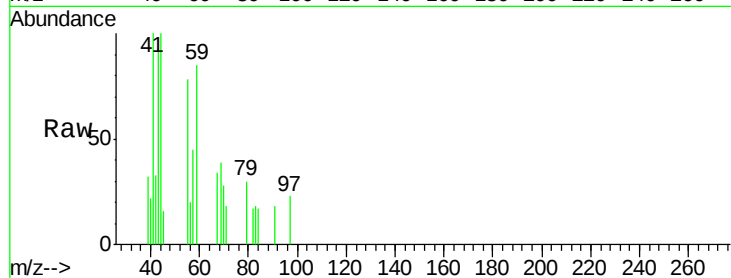


#11

Tert butyl alcohol
 Concen: 1.869 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU024546.D
 Acq: 14 Jun 2018 17:39

Instrument :
 MSVOA_U
 ClientSampleId :

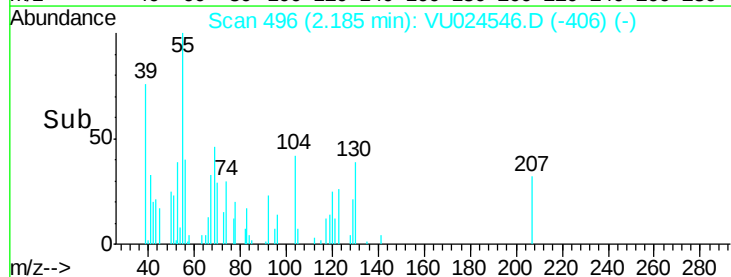
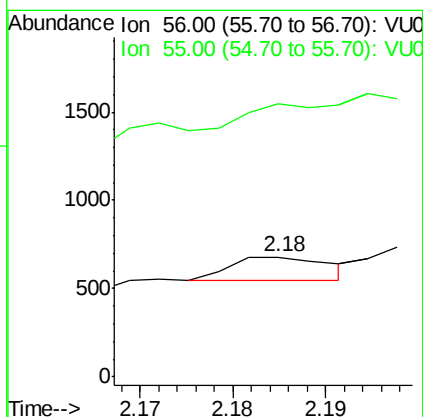
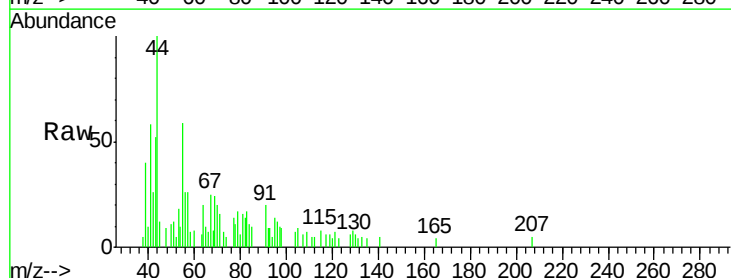
Tot Ion: 59 Resp: 1274
 Ion Ratio Lower Upper
 59 100
 57 3.1 8.5 12.7#

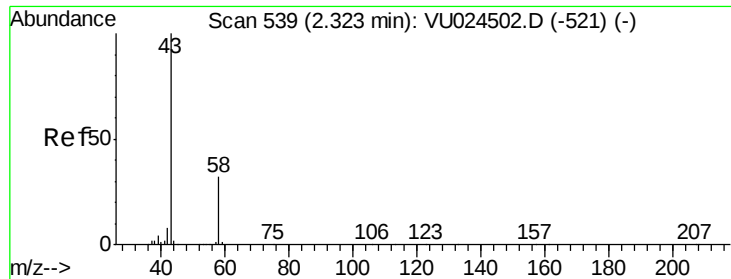


#13

Acrolein
 Concen: 0.274 ug/l
 RT: 2.18 min Scan# 496
 Delta R.T. -0.01 min
 Lab File: VU024546.D
 Acq: 14 Jun 2018 17:39

Tgt Ion: 56 Resp: 98
 Ion Ratio Lower Upper
 56 100
 55 220.4 58.4 87.6#





#16

Acetone

Concen: 7.703 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024546.D

Acq: 14 Jun 2018 17:39

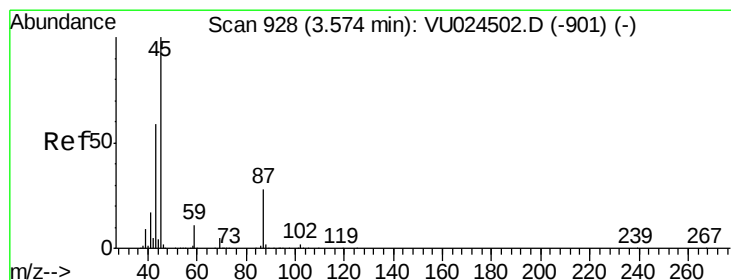
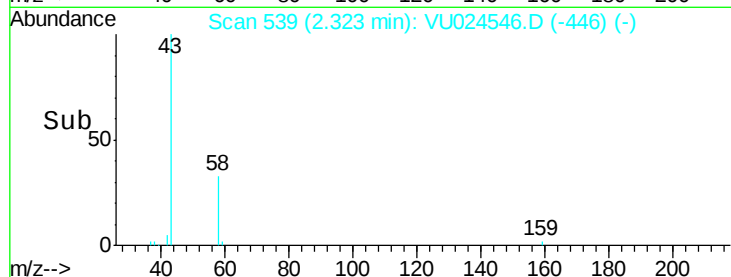
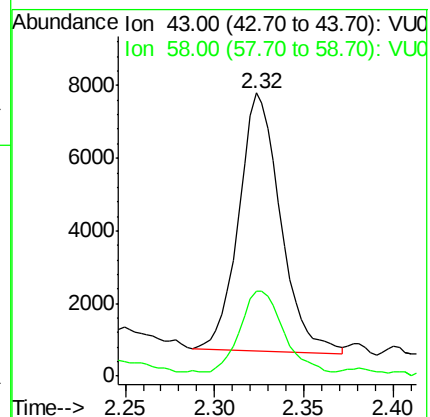
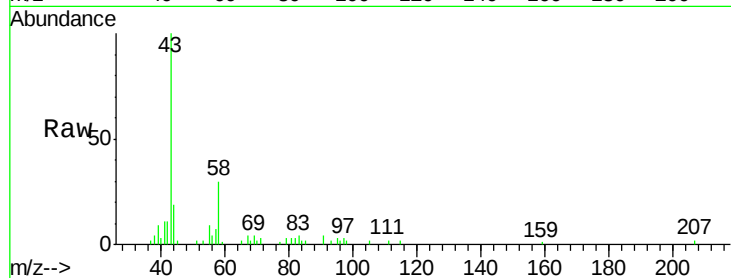
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 11601

Ion Ratio Lower Upper

43 100

58 31.3 24.4 36.6



#22

Diisopropyl ether

Concen: 0.372 ug/l

RT: 3.58 min Scan# 930

Delta R.T. 0.01 min

Lab File: VU024546.D

Acq: 14 Jun 2018 17:39

Tgt Ion: 45 Resp: 2675

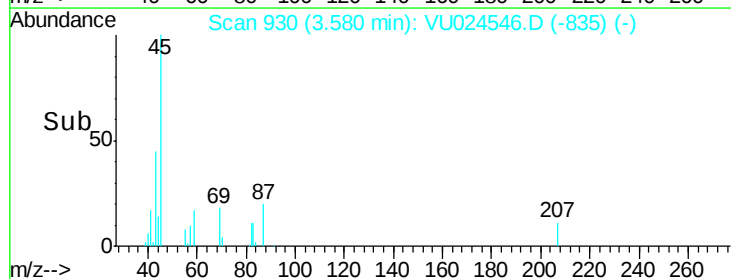
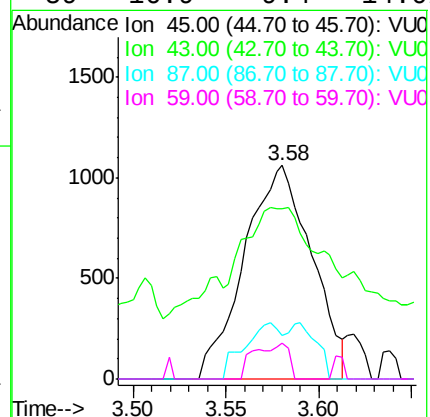
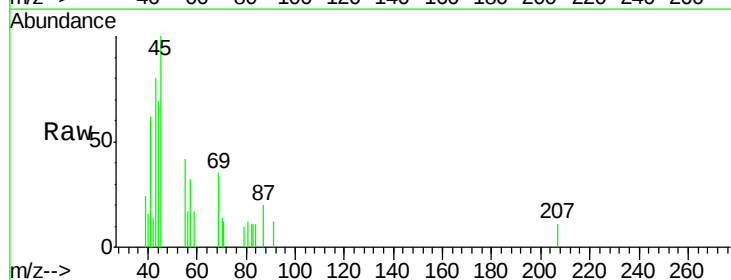
Ion Ratio Lower Upper

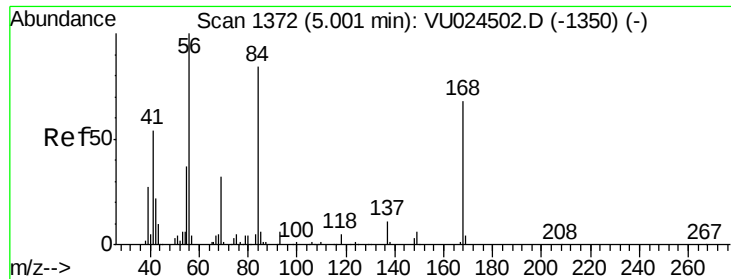
45 100

43 42.3 45.8 68.6#

87 20.3 20.6 31.0#

59 16.9 9.4 14.0#

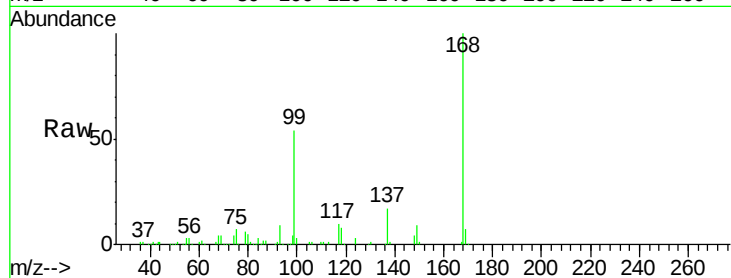




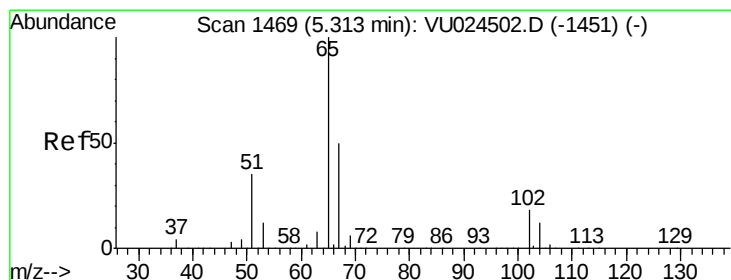
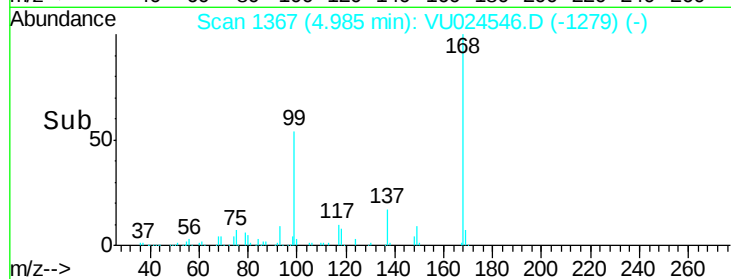
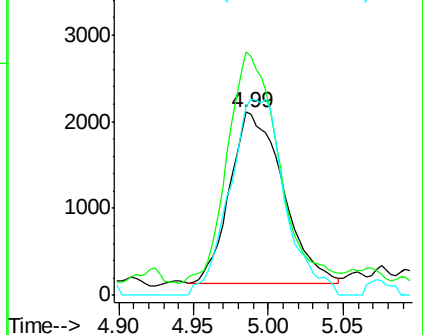
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU024546.D
Acq: 14 Jun 2018 17:39

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 4861
Ion Ratio Lower Upper
56 100
69 131.8 24.8 37.2#
84 110.4 65.2 97.8#

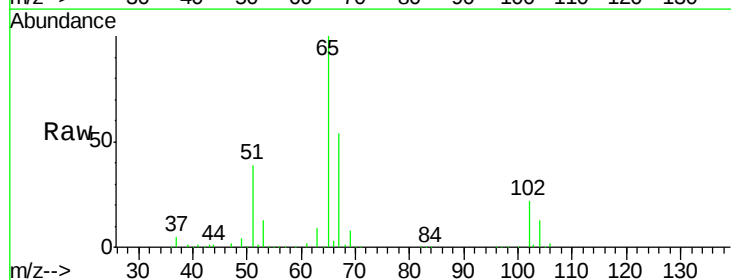


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

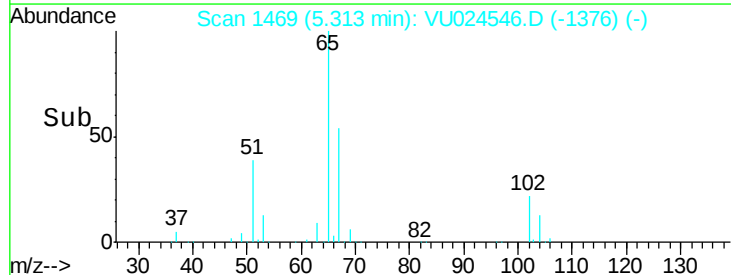
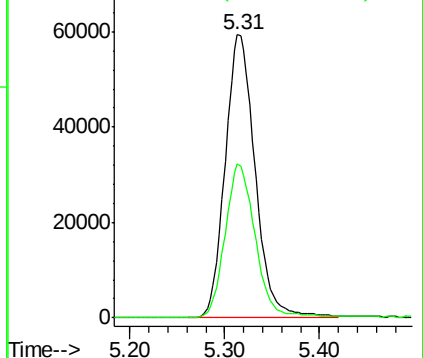


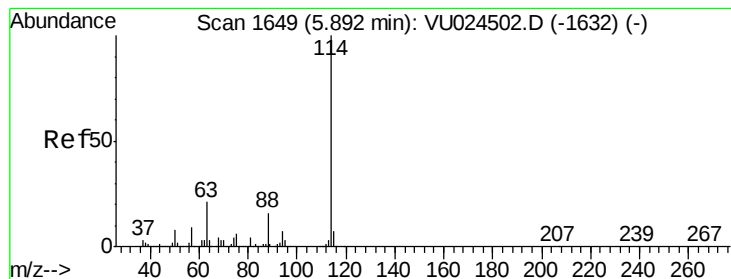
#33
1,2-Dichloroethane-d4
Concen: 46.737 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU024546.D
Acq: 14 Jun 2018 17:39

Tgt Ion: 65 Resp: 131001
Ion Ratio Lower Upper
65 100
67 53.9 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU024546.D

Acq: 14 Jun 2018 17:39

Instrument :

MSVOA_U

ClientSampleId :

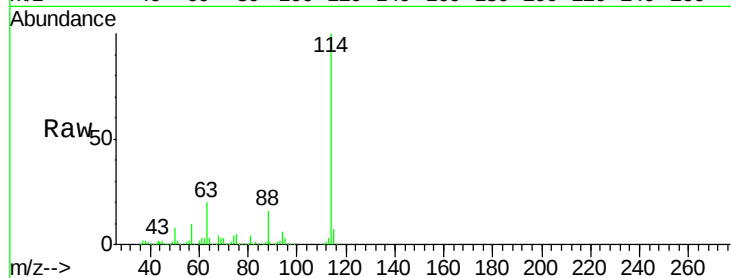
Tot Ion:114 Resp: 292373

Ion Ratio Lower Upper

114 100

63 20.2 0.0 45.4

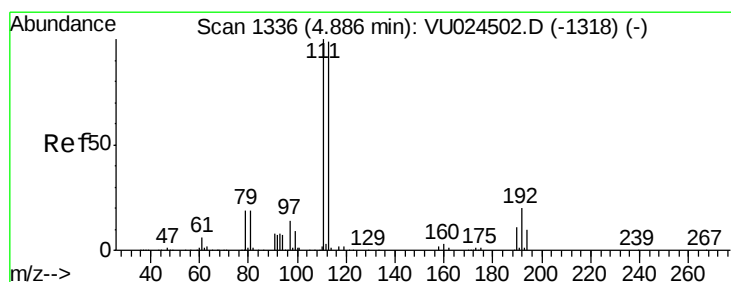
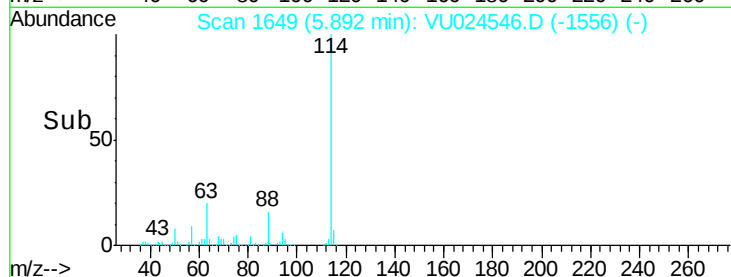
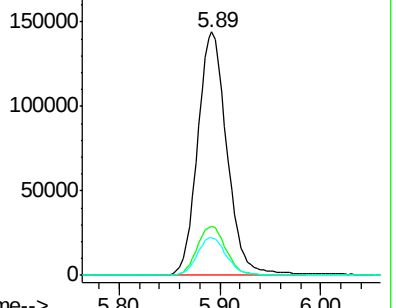
88 15.6 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 48.353 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024546.D

Acq: 14 Jun 2018 17:39

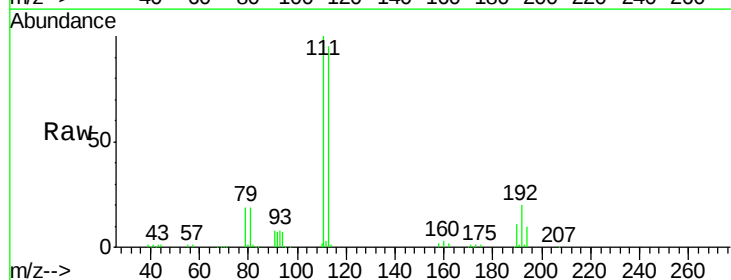
Tgt Ion:113 Resp: 117326

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

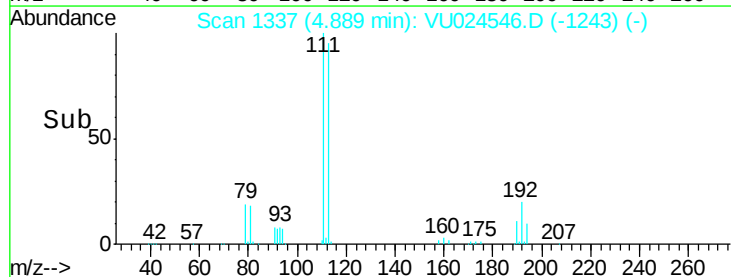
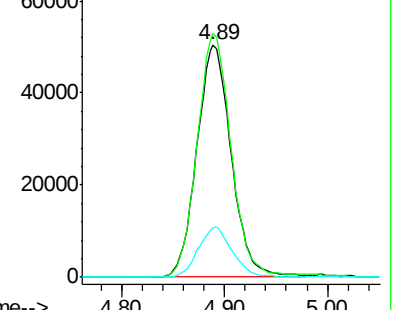
192 21.1 16.2 24.4

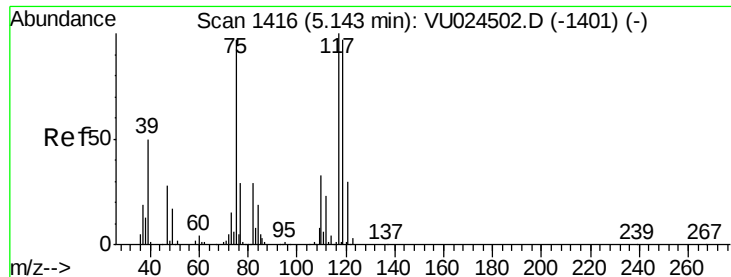


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.428 ug/l

RT: 4.99 min Scan# 1367

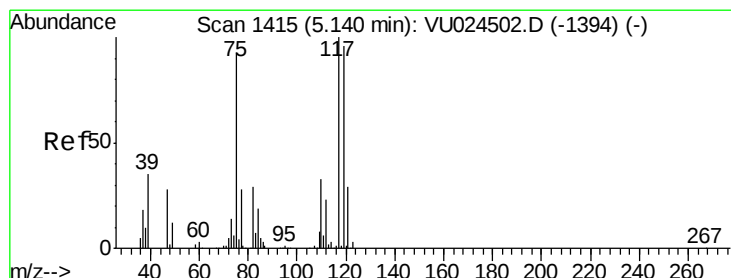
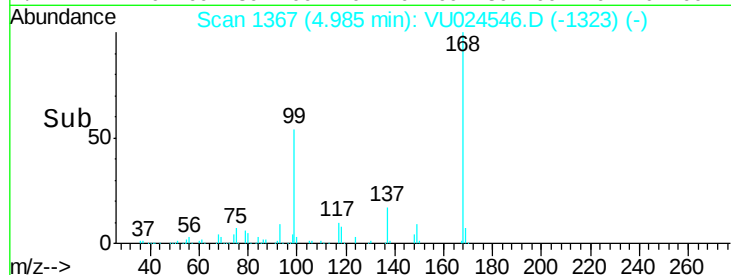
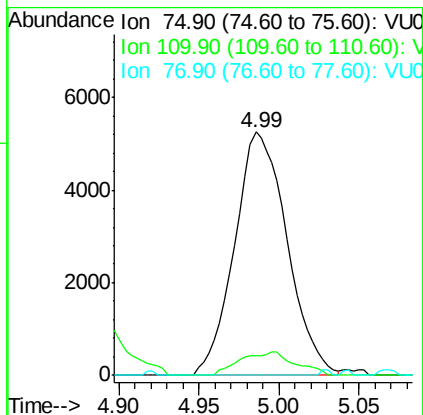
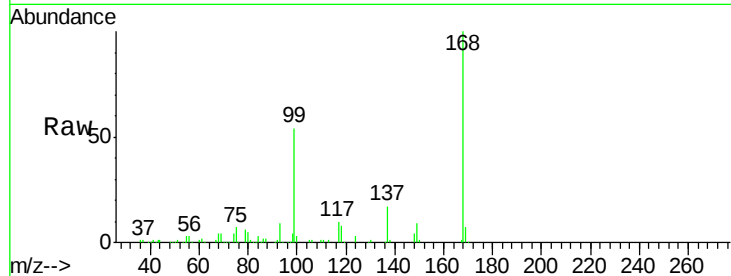
Delta R.T. -0.16 min

Lab File: VU024546.D

Acq: 14 Jun 2018 17:39

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 11777
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 4.138 ug/l

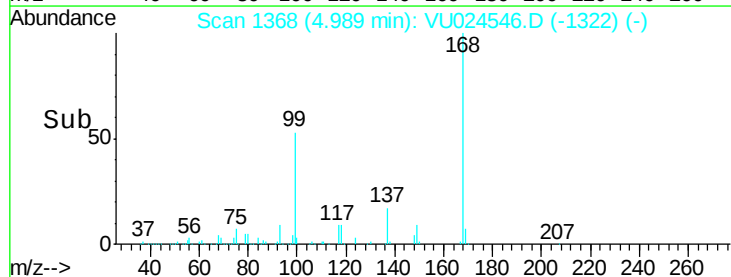
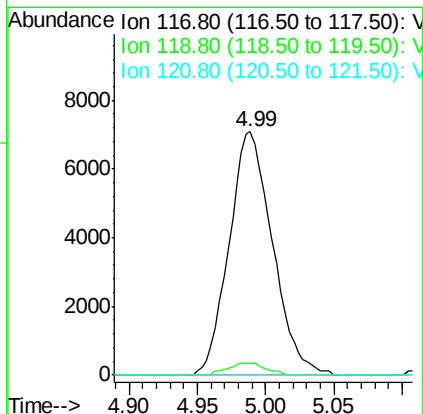
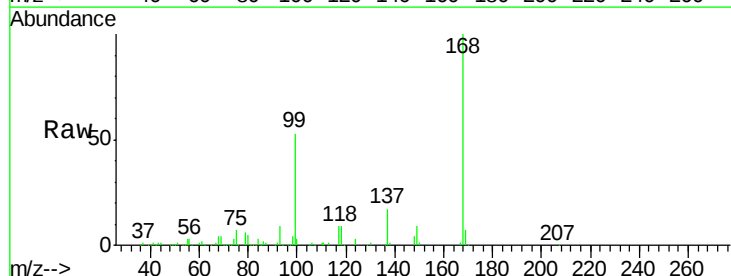
RT: 4.99 min Scan# 1368

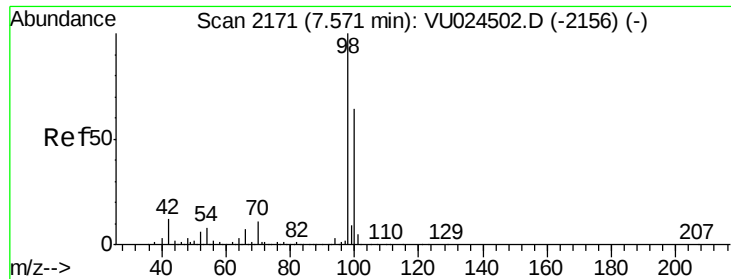
Delta R.T. -0.15 min

Lab File: VU024546.D

Acq: 14 Jun 2018 17:39

Tgt Ion: 117 Resp: 15633
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 23.7 35.5#





#50

Toluene-d8

Concen: 48.918 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU024546.D

Acq: 14 Jun 2018 17:39

Instrument :

MSVOA_U

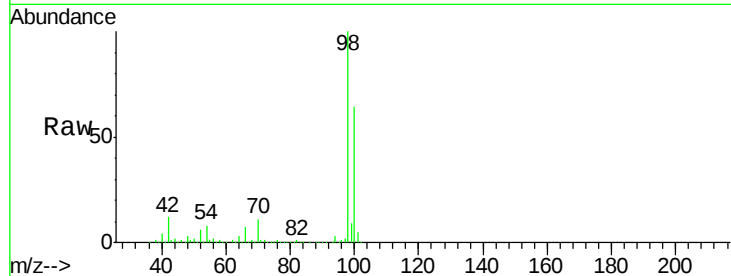
ClientSampled :

Tot Ion: 98 Resp: 432964

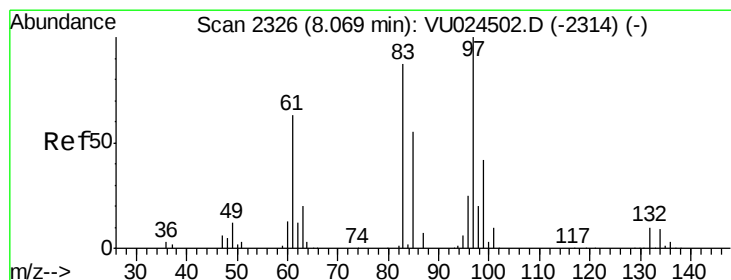
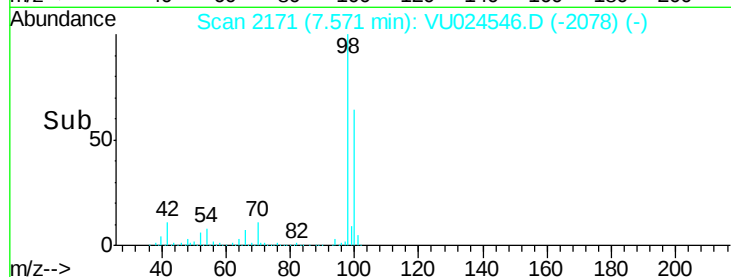
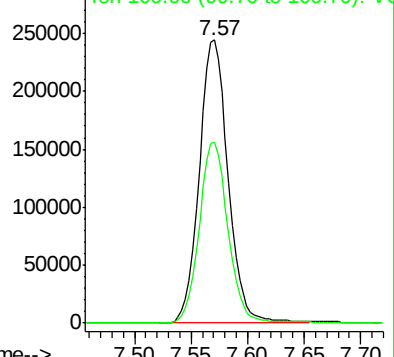
Ion Ratio Lower Upper

98 100

100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024502.D (-2156) (-)



#55

1,1,2-Trichloroethane

Concen: 0.300 ug/l

RT: 8.05 min Scan# 2319

Delta R.T. -0.02 min

Lab File: VU024546.D

Acq: 14 Jun 2018 17:39

Tgt Ion: 97 Resp: 769

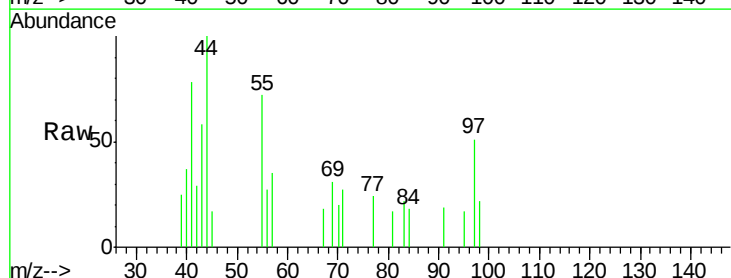
Ion Ratio Lower Upper

97 100

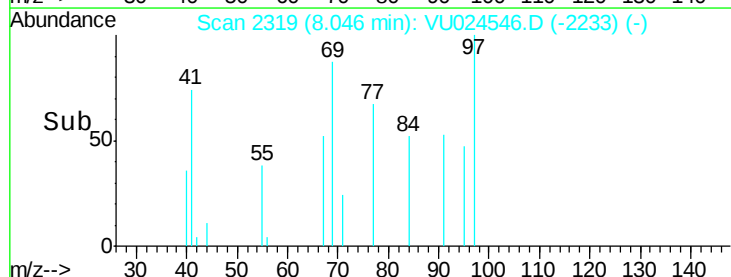
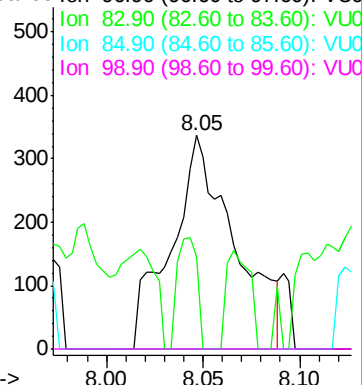
83 13.4 70.5 105.7#

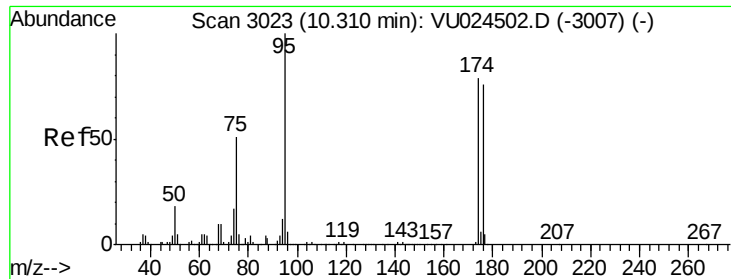
85 0.0 46.4 69.6#

99 0.0 50.2 75.2#



Abundance Ion 96.90 (96.60 to 97.60): VU024502.D (-2314) (-)





#62

4-Bromofluorobenzene

Concen: 48.446 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. 0.00 min

Lab File: VU024546.D

Acq: 14 Jun 2018 17:39

Instrument :

MSVOA_U

ClientSampled :

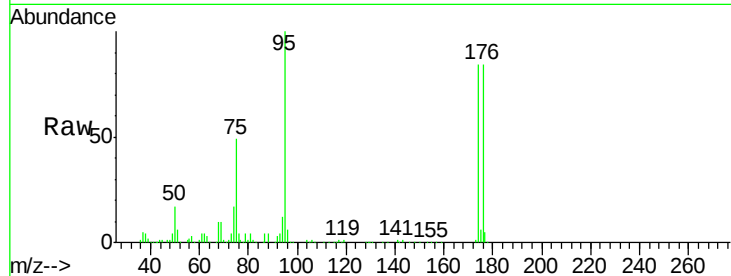
Tot Ion: 95 Resp: 170245

Ion Ratio Lower Upper

95 100

174 83.6 0.0 165.8

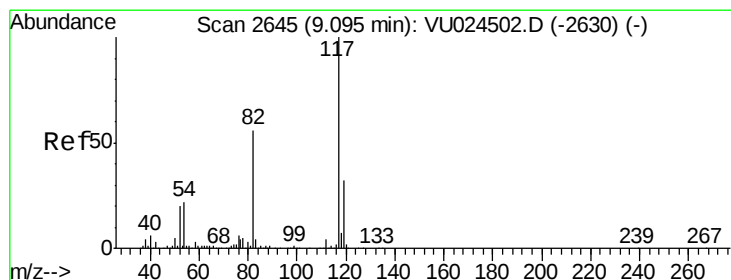
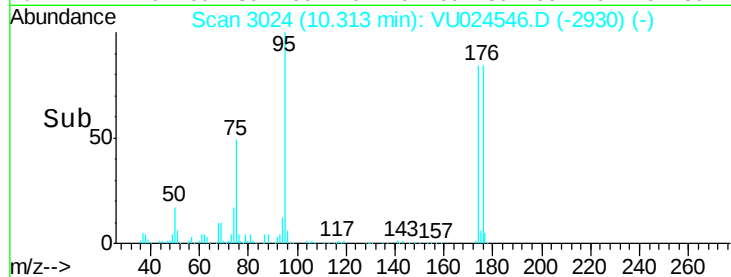
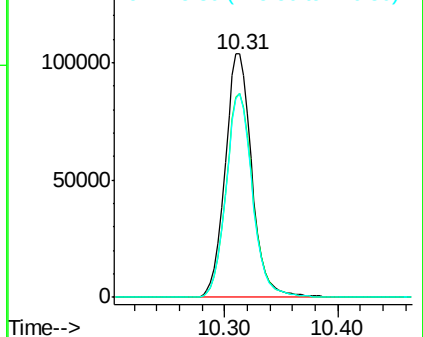
176 82.5 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU024546.D

Acq: 14 Jun 2018 17:39

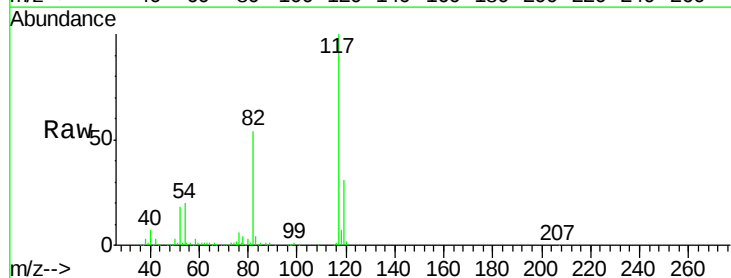
Tgt Ion: 117 Resp: 286726

Ion Ratio Lower Upper

117 100

82 53.6 44.3 66.5

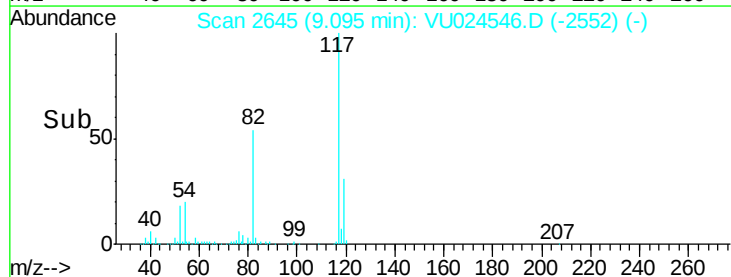
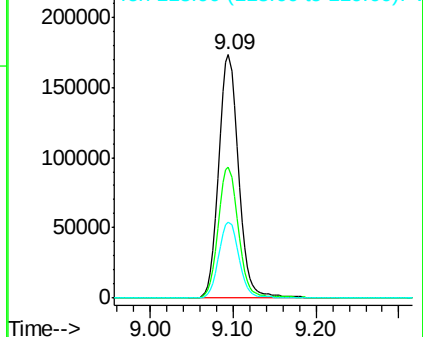
119 31.4 25.4 38.2

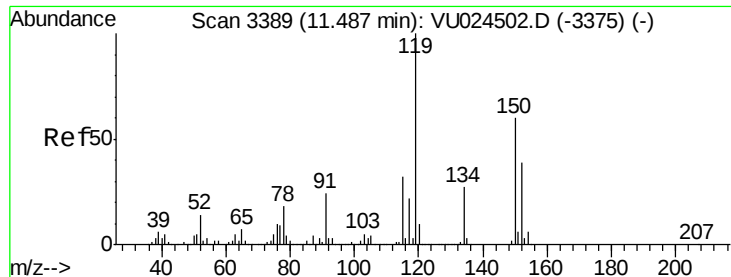


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

Ion 82.00 (81.70 to 82.70): VU024502.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU024502.D (-2630) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024546.D

Acq: 14 Jun 2018 17:39

Instrument :

MSVOA_U

ClientSampled :

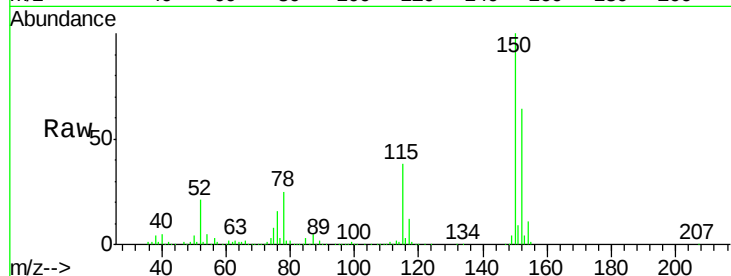
Tot Ion:152 Resp: 169015

Ion Ratio Lower Upper

152 100

115 58.6 43.0 129.0

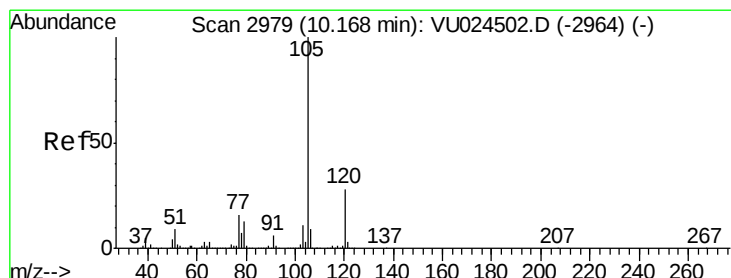
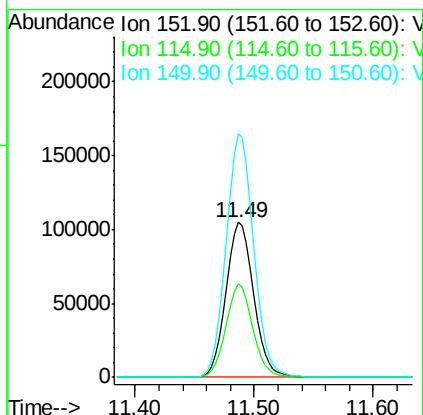
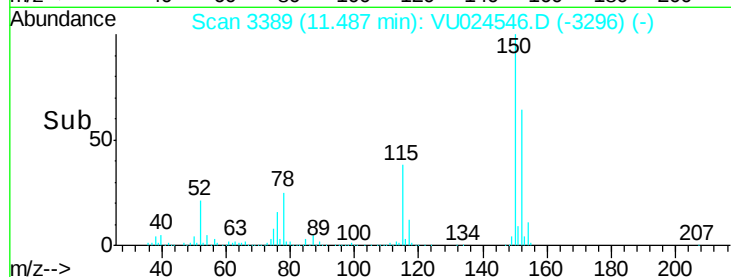
150 156.5 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.274 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU024546.D

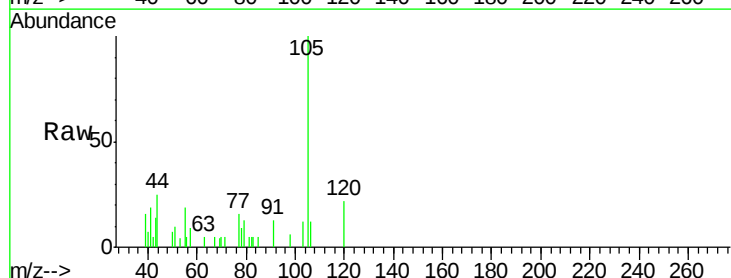
Acq: 14 Jun 2018 17:39

Tgt Ion:105 Resp: 3550

Ion Ratio Lower Upper

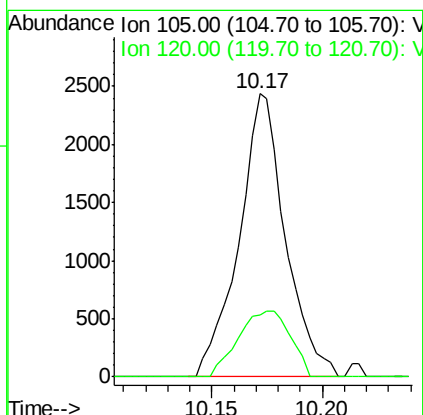
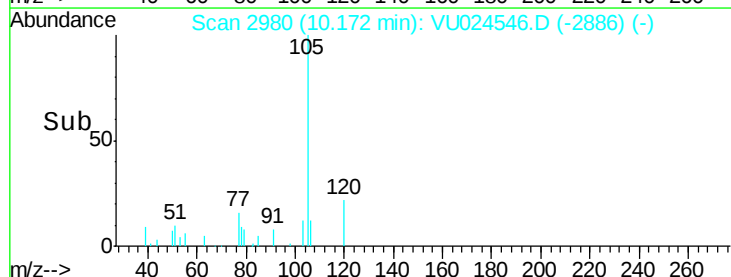
105 100

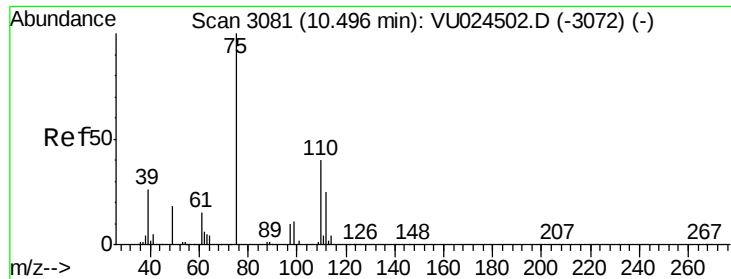
120 26.0 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 22.716 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024546.D

Acq: 14 Jun 2018 17:39

Instrument :

MSVOA_U

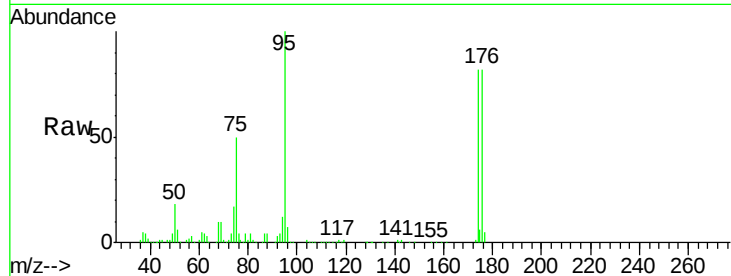
ClientSampled :

Tot Ion: 75 Resp: 84528

Ion Ratio Lower Upper

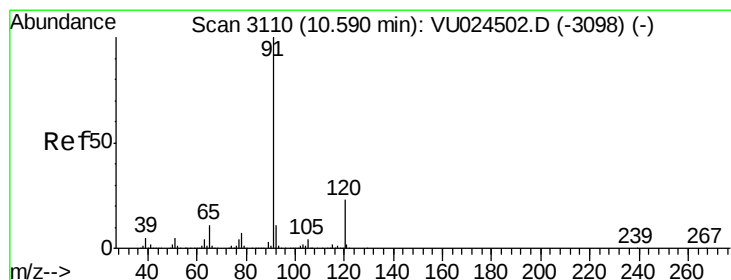
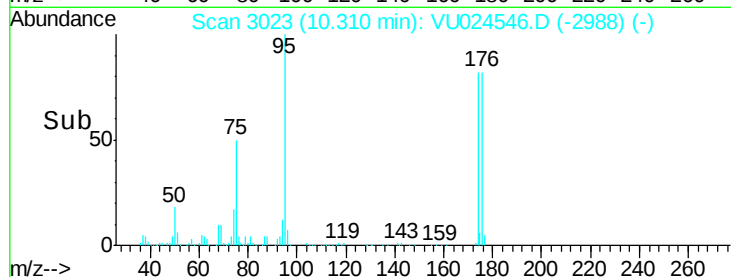
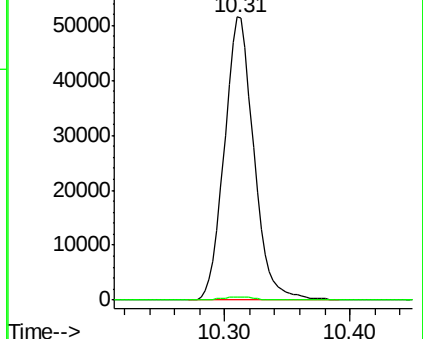
75 100

77 1.3 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#78

n-propylbenzene

Concen: 0.454 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU024546.D

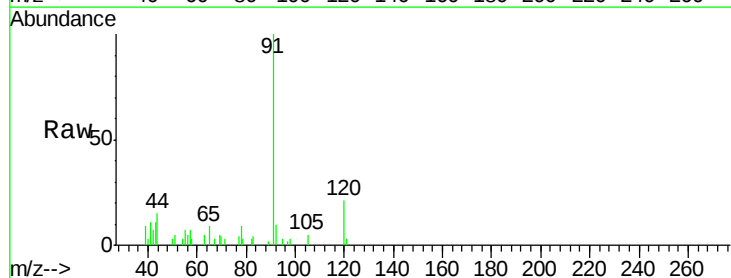
Acq: 14 Jun 2018 17:39

Tgt Ion: 91 Resp: 6941

Ion Ratio Lower Upper

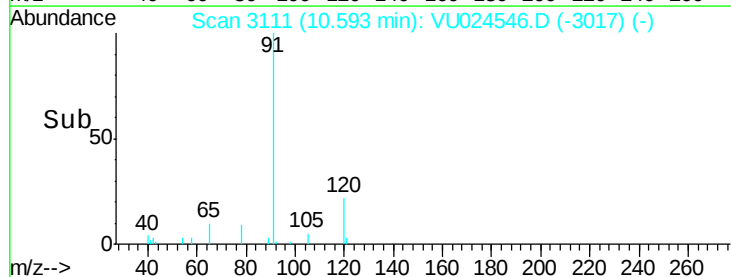
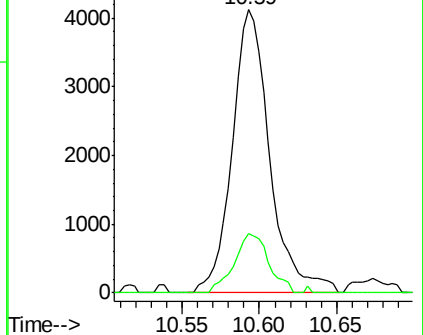
91 100

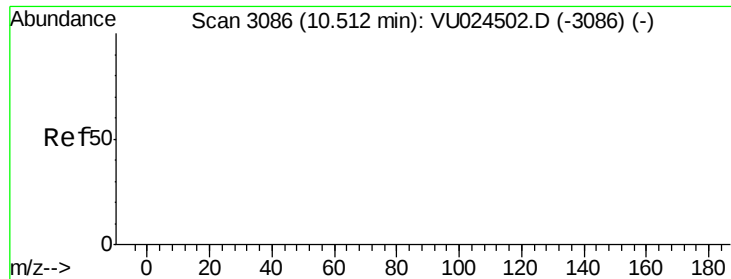
120 19.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 52.574 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024546.D

Acq: 14 Jun 2018 17:39

Instrument :

MSVOA_U

ClientSampleId :

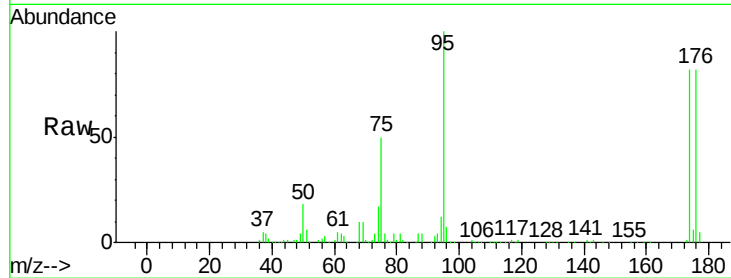
Tot Ion: 75 Resp: 84528

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

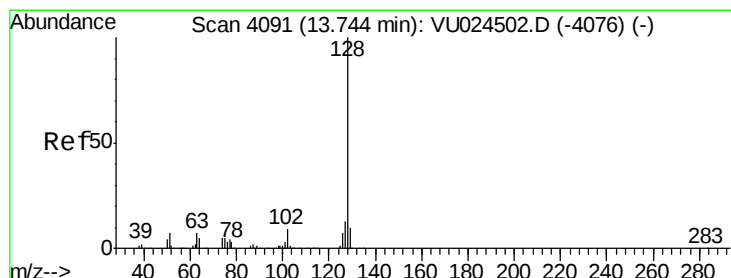
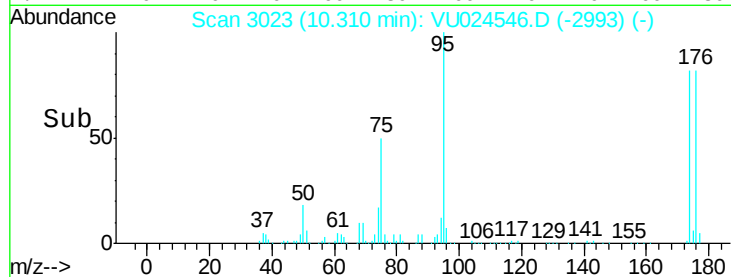
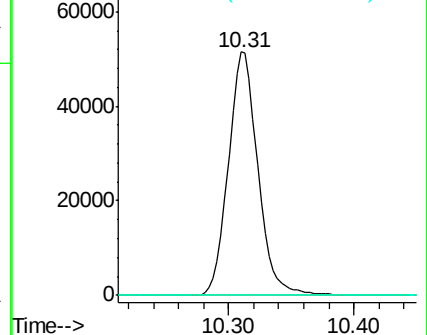
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3086) (-)

Ion 53.00 (52.70 to 53.70): VU024502.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU024502.D (-3086) (-)



#95

Naphthalene

Concen: 0.779 ug/l

RT: 13.76 min Scan# 4096

Delta R.T. 0.02 min

Lab File: VU024546.D

Acq: 14 Jun 2018 17:39

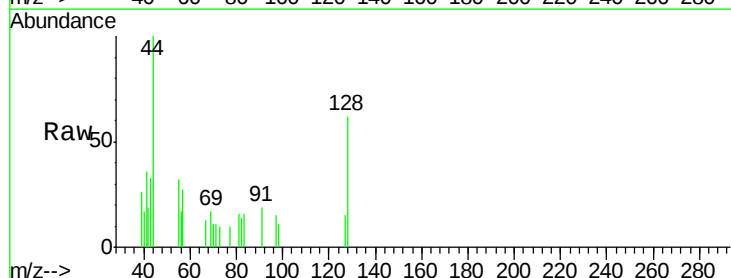
Tgt Ion:128 Resp: 1262

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

129 5.9 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU024502.D (-4076) (-)

Ion 127.00 (126.70 to 127.70): VU024502.D (-4076) (-)

Ion 129.00 (128.70 to 129.70): VU024502.D (-4076) (-)

